

## CERTIFICATE OF MAILING

37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, March 18, 2004

Justin L. Krieger

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.

10/658,789

Signature: \_

Confirmation No. 1824

Applicant

Timothy Jon Leeper et al.

Filed

September 10, 2003

TC/A.U.

1654

Examiner

Not yet assigned

Docket No.

ANIC.108193

Customer No.

30902

Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

Application No. 10/658,789 Attorney Docket No. ANIC.108193

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 19-2112** referencing ANIC.100616. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Respectfully submitted,

Dated: March 18, 2004

Justin L. Krieger Reg. No. 47,719

Shook, Hardy & Bacon LLP 100 North Tampa Street, Suite 2900 Tampa, Florida 33602-5810 Telephone (813) 202-7100 Facsimile (813) 221-8837

| Form PTO-1449                             |             |   |   | Docket Number ANIC.108193                          |                   | Application Number 10/658,789 |                    |                   |              |
|---|-------------|---|---|--|-------------------|-------------------------------|--------------------|-------------------|--------------|
|   |             |   |   | Applicant  |                   |                               |                    |                   |              |
| O P IN AN APPLICATION                     |             |   |   | Timothy Jon LEEPER, et al.                         |                   |                               |                    |                   |              |
| 1 /                                       |             |   |   | Filing Date September 10, 2003 Group Art Unit 1654 |                   |                               |                    |                   |              |
| B MAR                                     | . 2 2 200   | <u>' </u>   |   |  |                   |                               | <u> </u>           |                   |              |
| E. S. | HOEME       | 1.00 M  |   |  |                   |                               |                    |                   |              |
|   | AUE:        |   | U.S. PAT  | ENT  | DOCUMENTS         |                               |                    |                   |              |
| Examiner                                  | Ref.        | Date  | Document No.  |  | Name              | Class                         | Subclass           | Filing I          | Date If      |
| Initials                                  | No.         |   |   |  |                   |                               |                    | Appro             | priate       |
|   |             |   |   |  |                   |                               |                    |                   |              |
|   |             |   |   |  |                   |                               |                    |                   |              |
|   |             | <u> </u>  | <del>, , , , , , , , , , , , , , , , , , , </del>     |  | NT DOCUMENT       |                               |                    |                   |              |
| Examiner<br>Initials                      | Ref.<br>No. | Date  | Document No.  |  | Country           | Class                         | Subclass           | Transla<br>YES    | ation<br>NO  |
|   |             |   |   |  |                   |                               |                    |                   |              |
|   |             |   | <u> </u>  |  | .1                |                               |                    |                   | <u> </u>     |
|   |             |   | OTHER   | R DO   | CUMENTS           | (includi                      | ing author, title, | Date, Pertinent I | Pages, Etc.) |
| Examiner                                  |             |   |   |  | -0-               |                               |                    |                   |              |
| Initials                                  | No.         |   |   |  |                   |                               |                    |                   |              |
|   | 1.          | _   | istry, "Gravure" http                                 | ://ww  | w.wmrc.uiuc.edu/r | nanuals/pri                   | nting/gravu        | <u>re.htm</u>     |              |
|   |             | (August, 200  | <del> ´</del>   |  |                   |                               |                    |                   |              |
| :   | 2.          | http://www.wmrc.uiuc.edu/manuals/printing/images/ch8fig10.jpg (gravure figure)  |   |  |                   |                               |                    |                   |              |
|   | 3.          | (August, 200  | <del></del>   | 1,44m./  |                   |                               | -/                 |                   | 4            |
|   |             | Printing Industry, "Flexography", <a href="http://www.wmrc.uiuc.edu/manuals/printing/flexography.htm">http://www.wmrc.uiuc.edu/manuals/printing/flexography.htm</a> (August, 2002)  |   |  |                   |                               |                    |                   |              |
|   | 4.          | http://www.wmrc.uiuc.edu/manuals/printing/images/ch7fig9.jpg (figure) (August, 2002)  |   |  |                   |                               |                    |                   |              |
|   | 5.          | Shore, Marvin, "Toll Manufacturing Beneficial for Pesticidal Coatings" Paint & Coatings Industry (July, 2002)   |   |  |                   |                               |                    |                   |              |
|   | 6.          | Henrick, C.A., et al. "Values on Sensitive Synchronized Instars" pp. 56-58  |   |  |                   |                               |                    |                   |              |
|   | 7.          | Pesticide Action Network Pesticide Database <a href="http://www.pesticideinfo.org/PCW/Detail-Product.Jsp?REG-00272400467&amp;DIST_NR">http://www.pesticideinfo.org/PCW/Detail-Product.Jsp?REG-00272400467&amp;DIST_NR</a>             |   |  |                   |                               |                    |                   |              |
|   |             | (August, 2002)  |   |  |                   |                               |                    |                   |              |
| ]   | 8. v        | Office of Pesticide Programs "Larvicides for Mosquito Control" <a href="http://www.epa.gov/pesticides/citizens/larvicides4mosquitos.htm">http://www.epa.gov/pesticides/citizens/larvicides4mosquitos.htm</a> (August, 2002)           |   |  |                   |                               |                    |                   |              |
|   | 9.          | Pesticide Action Network "Pesticide Product Search"  http://www.pesticideinfo.org./PCW/List_Products_Adv.jsp (August, 2002)   |   |  |                   |                               |                    |                   |              |
|   | 10.         | Pesticide Action Network "Chemical Information about Buprofezin" <a href="http://www.pesticideinfo.org/PCW/Detail_Chemical.JSP?Reg_Id=PC35811">http://www.pesticideinfo.org/PCW/Detail_Chemical.JSP?Reg_Id=PC35811</a> (August, 2002) |   |  |                   |                               |                    |                   |              |
| EVAMD                                     | VIED.       |   |   |  | DATE CONGINEDED   |                               |                    |                   |              |
| EXAMINER:                                 |             |   |   | DATE CONSIDERED:                                   |                   |                               |                    |                   |              |
|   |             |   | dered, whether or not the clude a copy of this form w |  |                   |                               | line through th    | e citation if no  | t in         |

| Form PTO-1449                   |  |   | Docket Number ANIC.108193      | Application Number 10/658,789     |  |  |
|---------------------------------|--|---|--------------------------------|-----------------------------------|--|--|
| INFORMATION DISCLOSURE CITATION |  |   | Applicant                      |                                   |  |  |
| IN AN APPLICATION               |  |   | Timothy Jon LEEPER, et al.     |                                   |  |  |
| (Use veral sheets if necessary) |  |   | Filing Date September 10, 2003 | Group Art Unit 1654               |  |  |
| MAR 2                           | 2 2004   | 걸   |                                |                                   |  |  |
| <b>A</b>                        |  | <b>9</b>  |                                |                                   |  |  |
| MAR 2                           | EVA CO   | Pesticide Action Network "Actinic, Inc<br>jsp?Reg_NR=00040000473&DIST_N   |                                | cideinfo.org/PCW/Product          |  |  |
|                                 | 12.  | Pesticide Action Network "Actinic, IncDimilin 25w for cotton/soybean" <a href="http://www.pesticideinfo.org/PCW/Product JSP?Reg_NR_0004000465&amp;DIST_NR">http://www.pesticideinfo.org/PCW/Product JSP?Reg_NR_0004000465&amp;DIST_NR</a> (August, 2002)              |                                |                                   |  |  |
|                                 | 13.  | Pesticide Action Network "Actinic, Inc"Pesticide Product Search" (Prods. containing Dimilin). <a href="http://www.pesticideinfo.org./PCW/List Products Adv.jsp">http://www.pesticideinfo.org./PCW/List Products Adv.jsp</a> ? (August, 2002)                          |                                |                                   |  |  |
|                                 | 14.  | Pesticide Action Network "Dimilin w-25 for pasture grass mosquitoes" <a href="http://www.pesticideinfo.org/PCW/Detail_Product.jsp?REG_NR=0004000470&amp;DIST_NR">http://www.pesticideinfo.org/PCW/Detail_Product.jsp?REG_NR=0004000470&amp;DIST_NR</a> (August, 2002) |                                |                                   |  |  |
|                                 | 15.  | Pesticide Action Network "Chemical Information about Fenoxycarb" <a href="http://www.pesticideinfo.org/PCW/Detail_Chemical.jsp?Rec_Id=PC33190">http://www.pesticideinfo.org/PCW/Detail_Chemical.jsp?Rec_Id=PC33190</a> (August, 2002)                                 |                                |                                   |  |  |
|                                 | 16.  | Pesticide Action Network "Pesticide Product Search" (U.S. Registered Prods. containing Fenoxycarb). <a href="http://www.pesticideinfo.org/PCW/List Products Adv.jsp">http://www.pesticideinfo.org/PCW/List Products Adv.jsp</a> ?                                     |                                |                                   |  |  |
|                                 | 17.  | (August, 2002)  Pesticide Action Network "Chemical Information about Hexaflumuron"  |                                |                                   |  |  |
|                                 | 1/.  | http://www.pesticideinfo.org./PCW/Detail_Chemical.jsp?Rec_Id+PC35740 (August, 2002)   |                                |                                   |  |  |
|                                 | 18.  | Pesticide Action Network "Pesticide Product Search" (U.S. Registered Prods. containing (7S)-Hydroprene). <a href="http://www.pesticideinfo.org./PCW/List_Products_Adv.jsp">http://www.pesticideinfo.org./PCW/List_Products_Adv.jsp</a> ?                              |                                |                                   |  |  |
|                                 |  | (August, 2002)  |                                |                                   |  |  |
|                                 | 19.  | Pesticide Action Network "Pesticide Product Search" (U.S. Registered Prods. containing Hydroprene). <a href="http://www.pesticideinfo.org./PCW/List_Products_Adv.jsp">http://www.pesticideinfo.org./PCW/List_Products_Adv.jsp</a> ?                                   |                                |                                   |  |  |
|                                 |  | (August, 2002)  |                                |                                   |  |  |
|                                 | 20.  | Pesticide Action Network "Chemical I  | • •                            |                                   |  |  |
|                                 |  | http://www.pesticideinfo.org./PCW/D   | etail_Chemical.jsp?Rec_Id=PC3  | 33080                             |  |  |
|                                 | 21   | (August, 2002)  | C                              |                                   |  |  |
|                                 | 21.  | Pesticide Action Network "Chemical Information about (7s)-Hydroprene" <a href="http://www.pesticideinfo.org./PCW/Detail_Chemical.jsp?Rec_Id=PC37522">http://www.pesticideinfo.org./PCW/Detail_Chemical.jsp?Rec_Id=PC37522</a>   |                                |                                   |  |  |
|                                 | (August, 2002)   |   |                                |                                   |  |  |
|                                 | 22.  | Pesticide Action Network "Pesticide Product Search" (U.S. Registered Prods. containing Hexaflumuron). <a href="http://www.pesticideinfo.org/PCW/List_Products_Adv.jsp">http://www.pesticideinfo.org/PCW/List_Products_Adv.jsp</a> ?                                   |                                |                                   |  |  |
|                                 |  | (August, 2002)  |                                |                                   |  |  |
|                                 |  |   |                                |                                   |  |  |
| EXAMINER:                       |  |   | DATE CONSIDERED:               |                                   |  |  |
|                                 |  | al if citation considered, whether or not the citation to considered. Include a copy of this form with no   |                                | ne through the citation if not in |  |  |
| PTO/SB/ 08 (2                   | PTO/SB/ 08 (2-92) Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE |   |                                |                                   |  |  |

| Form PTO-1449  | Docket Number ANIC.108193   | Application Number 10/658,789      |  |  |  |  |
|--|---|------------------------------------|--|--|--|--|
| INFORMATION DISCLOSURE CITATION  | Applicant   |                                    |  |  |  |  |
| O P FINAN APPLICATION  | Timothy Jon LEEPER, et al.  |                                    |  |  |  |  |
| (Use everal sheets if necessary)   | Filing Date September 10, 2003  | Group Art Unit 1654                |  |  |  |  |
| MAR 2 2 2004   |   |                                    |  |  |  |  |
|  | <u> </u>  |                                    |  |  |  |  |
| Pesticide Action Network "Chemica  | l Information about Kinoprene"  |                                    |  |  |  |  |
| http://www.pesticideinfo.org./PCW/   | Detail_Chemical.jsp?Rec_Id=PC32982  |                                    |  |  |  |  |
| (August, 2002)   |   |                                    |  |  |  |  |
|  | Methoprene). http://www.pesticideinfo.org./PCW/List Products Adv.jsp?   |                                    |  |  |  |  |
|  |   |                                    |  |  |  |  |
| (August, 2002)   |   |                                    |  |  |  |  |
| 25. Pesticide Action Network "Chemica http://www.pesticideinfo.org./PCW/   |   | 12837                              |  |  |  |  |
| (August, 2002)   | Detail_enermear.jsp:Ree_id=1 e3   | 72037                              |  |  |  |  |
|  | Pesticide Fact Sheet" June 2001 II  | ndet of the March 1001             |  |  |  |  |
| Methoprene R.E.D. Fact Sheet pp 1-   | Or by a second and a second a  |                                    |  |  |  |  |
|  |   |                                    |  |  |  |  |
|  | 27. Office of Pesticide Programs "Biopesticide Fact Sheet, Insect Growth Regulators, S-Hydroprene, S-   |                                    |  |  |  |  |
| Kinoprene, Methoprene, S-Methopre  |   |                                    |  |  |  |  |
|  | http://www.epa.gov/pesticides/biopesticides/factsheets/fs-insect-grow-reg.htm.htm   |                                    |  |  |  |  |
| (August, 2002)   |   |                                    |  |  |  |  |
|  | Pesticide Action Network "Pesticide Product Search" (U.S. Registered Prods. containing Tebufenozide). <a href="http://www.pesticideinfo.org./PCW/List_Products_Adv.jsp?">http://www.pesticideinfo.org./PCW/List_Products_Adv.jsp?</a> |                                    |  |  |  |  |
| (August, 2002)   | emo.org.r e w/Eist_r roducts_Ac   | <u> </u>                           |  |  |  |  |
| 29. Pesticide Action Network "Chemica  | I Information about Tebufenozide  | ,,                                 |  |  |  |  |
| http://www.pesticideinfo.org./PCW/   |   |                                    |  |  |  |  |
| (August, 2002)   | •   |                                    |  |  |  |  |
| 30. Pesticide Action Network "Confirm  |   |                                    |  |  |  |  |
|  | http://www.pesticideinfo.org./PCW/Detail_Chemical.jsp?Reg_NR=06271900420&DIST_NR  |                                    |  |  |  |  |
| (August, 2002)   |   |                                    |  |  |  |  |
|  | Pesticide Action Network "Rh-5992 technical insecticide"  http://www.pesticideinfo.org./PCW/Detail_Product.jsp?Reg_NR=06271900419&DIST_NR   |                                    |  |  |  |  |
|  |   |                                    |  |  |  |  |
|  | (August, 2002)  |                                    |  |  |  |  |
| g was well a special and a spe |   |                                    |  |  |  |  |
| pp. 1-3  |   |                                    |  |  |  |  |
| 33. Index for the Interpretive Line Slides   | s for Insects, Chapter 13 "Indianm  | eal Moth",                         |  |  |  |  |
| http://ww.okstate.edu/OSU_Ag/aged  | m4h/pearl/e912/ch13/ch13/ch13f8.htm (March, 2000)   |                                    |  |  |  |  |
|  |   |                                    |  |  |  |  |
| EXAMINER:  | DATE CONSIDERED:  |                                    |  |  |  |  |
| EARININER.   | DATE CONSIDERED.  |                                    |  |  |  |  |
| EXAMINER: Initial if citation considered, whether or not the cita conformance and not considered. Include a copy of this form with   |   | ine through the citation if not in |  |  |  |  |
| PTO/SB/ 08 (2-92)  | Patent and Trademark Office; U.   | S. DEPARTMENT OF COMMERCE          |  |  |  |  |

| Form PTO-1449  | Docket Number ANIC.108193  | Application Number 10/658,789     |  |  |  |  |
|--|--|-----------------------------------|--|--|--|--|
| INFORMATION DISCLOSURE CITATION  | Applicant  |                                   |  |  |  |  |
| IN AN APPLICATION  | Timothy Jon LEEPER, et al.   |                                   |  |  |  |  |
| (Or several sheets if necessary)   | Filing Date September 10, 2003   | Group Art Unit 1654               |  |  |  |  |
| Insect Growth Regulators and Insect Dhttp://www.zoo.utoronto.ca/zoo344s/g  |  |                                   |  |  |  |  |
|  |  |                                   |  |  |  |  |
| Insect Growth Regulators and Insect D  | Development "Chemical Structure and Function" group2/chemical.htm  |                                   |  |  |  |  |
| http://www.zoo.utoronto.ca/zoo344s/g   |  |                                   |  |  |  |  |
| (August, 2002)   |  |                                   |  |  |  |  |
| 35. "The Insect Life Cycle" Chapter 4, 150   | 35. "The Insect Life Cycle" Chapter 4, 156-158 (Metamorphosis).  |                                   |  |  |  |  |
|  |  |                                   |  |  |  |  |
| 36. Today's Breeder Magazine, Issue 23 "   | Today's Presder Wents to Know  | ,;;                               |  |  |  |  |
| http://www.purina.com/breeders/maga  | "Today's Breeder Wants to Know"  |                                   |  |  |  |  |
| (August, 2002)   | zine.asp/article=2/8   |                                   |  |  |  |  |
| 37. ARS News & Information "Protecting   | Decidable for a Declara Decida   |                                   |  |  |  |  |
| http://www.ars.usda.gov/is/pr/2002/02  | ·  |                                   |  |  |  |  |
| (August, 2002)   | . <u>0111.2htm</u>   |                                   |  |  |  |  |
|  |  |                                   |  |  |  |  |
| ,,   | 38. Arthur, Franklin, et al "Insect Pest Management in Stored Bulk Grains and Seeds: Reduced Risk-Insecticides and Non-Chemical Controls" pp 1-2 |                                   |  |  |  |  |
|  | 11   |                                   |  |  |  |  |
| 39. Arthur, Frank, et al Science Direct "Im  | pact of high temperatures on eff   | icacy of cyfluthrin and           |  |  |  |  |
| hydroprene applied to concrete to cont   | trol Tribolium castaneum (Herbst)*1  e?_ob=ArticleURL&_udi=B6T8Y-44VWXFD-1&_user   |                                   |  |  |  |  |
| http://www.sciencedirect.com/science   |  |                                   |  |  |  |  |
| (August, 2002)   | (August, 2002)   |                                   |  |  |  |  |
|  | "Differentially expressed genes in metamorphosis and after   |                                   |  |  |  |  |
| juvenile hormone application in the pu   | e? ob=ArticleURL&udiB6t79-446NC5-4& user=1   |                                   |  |  |  |  |
|  |  |                                   |  |  |  |  |
| (August, 2002) 41. Silhacek, D., et al., Science Direct "Be  | havior and manages of Indian   | manal manala (Dla dia             |  |  |  |  |
| 41. Silhacek, D., et al., Science Direct "Be interpunctella Hubner) during commod  |  | mear moths (Piodia                |  |  |  |  |
| 1 1 1 2  | sciencedirect.com/science? ob=ArticleURL& reqID=7548602 acct=C0000502  |                                   |  |  |  |  |
| (August, 2002)   | (August, 2002)   |                                   |  |  |  |  |
| 42. Office of Pesticide Programs "Biopesti   | Office of Pesticide Programs "Biopesticide Fact Sheet, Plant Oils"   |                                   |  |  |  |  |
| http://www.epa.gov/pesticides/biopesti   | http://www.epa.gov/pesticides/biopesticides/factsheets/fs_plaint_oils.htm  |                                   |  |  |  |  |
| (August, 2002)   | (August, 2002)   |                                   |  |  |  |  |
| 43. Environmental Protection Agency "Re  | egistration Eligibility Document,  | Isopropyl (2E, 4E)-11-            |  |  |  |  |
|  | Methoxy-3, 7, 11-Trimethyl-2, 4, Dodecadienoate (Referred to as Methoprene)"   |                                   |  |  |  |  |
| (March, 1991)  |  |                                   |  |  |  |  |
|  | DATE CONSTRUE  |                                   |  |  |  |  |
| EXAMINER:  | DATE CONSIDERED:   |                                   |  |  |  |  |
| EXAMINER: Initial if citation considered, whether or not the citatic conformance and not considered. Include a copy of this form with no |  | ne through the citation if not in |  |  |  |  |
| PTO/SB/ 08 (2-92)  |  | S. DEPARTMENT OF COMMERCE         |  |  |  |  |